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(71) Applicant: **LG ELECTRONICS INC.**
Seoul (KR)

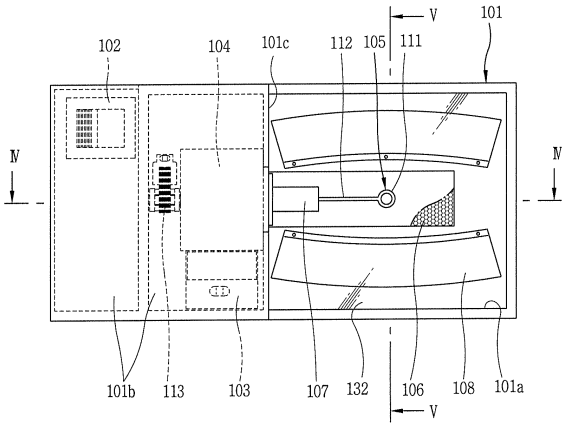
(72) Inventors:
- **Choi, Joon-Sik**
  2-Ga 1-Dong, Seongdong-Gu,
  Seoul (KR)
- **Jeon, Yong-Seog**
  Gyeonggi-Do (KR)
- **Park, Byeong-Ju**
  Seoul (KR)
- **Kim, Hyun-Jung**
  Seoul (KR)
- **Lee, Ji-Young**
  Gyeonggi-Do (KR)
- **Jung, Yun-Chul**
  Gyeonggi-Do (KR)

(74) Representative: **Gille Hrabal Struck Neidlein Prop Roos**
Patentanwälte
Brucknerstrasse 20
40593 Düsseldorf (DE)

(54) Electrodeless lighting system

(57) An electrodeless lighting system includes: a resonator which is installed at an exit of a wave guide for guiding microwave generated from a magnetron and making light pass and microwave resonate therein; a bulb positioned in the resonator and having a luminous portion filled with a luminous material emitting light by the microwave energy and a shaft portion integrally extended from the luminous portion; a resonance control member disposed inside the resonator and having a height controlled according to a position of the luminous portion of the bulb and the entire length of the resonator so as to make optimum resonance of the microwave; and a reflector positioned around the resonator for reflecting light emitted from the bulb. Accordingly, the electrodeless lighting system can facilitate light distribution for achieving lateral lighting and a wider range of lighting and simultaneously improve lighting efficiency.

FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 04 10 4561

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
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CATEGORY OF CITED DOCUMENTS

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